ORDER

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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SUBJ: JOINT ATMOSPHERIC CONNECTIVITY SECURITY CLASSIFICATION GUIDE

- 1. <u>PURPOSE</u>. This order transmits as Appendix 1, U.S. Air Force Joint Atmospheric Connectivity Security Classification Guide, dated February 1, 1988.
- 2. <u>DISTRIBUTION</u>. This order is distributed to the division level in the Air Traffic Operations, Air Traffic Plans and Requirements, Program Engineering, and Systems Maintenance Services, the System Engineering and Program Management Office and the Aviation Standards National Field Office, to the division level in the regional Airway Facilities, Civil Aviation Security, and Air Traffic Divisions with a limited distribution to all field offices and facilities.
- 3. CANCELLATION. Order 1600.49A, Classification of Joint-Use Radar Information, dated July 13, 1979, and Order 1600.52B, Security Classification Guide for the Joint Surveillance System, dated August 29, 1987, are canceled.
- 4. REQUESTS FOR INFORMATION. Questions on interpretation of the attached guide should be submitted to the FAA servicing security element.

Raymond A. Salazar

Director of Civil Aviation Security

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 U.S.C. 552

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JOINT ATMOSPHERIC CONNECTIVITY

SECURITY CLASSIFICATION GUIDE

ISSUED BY:

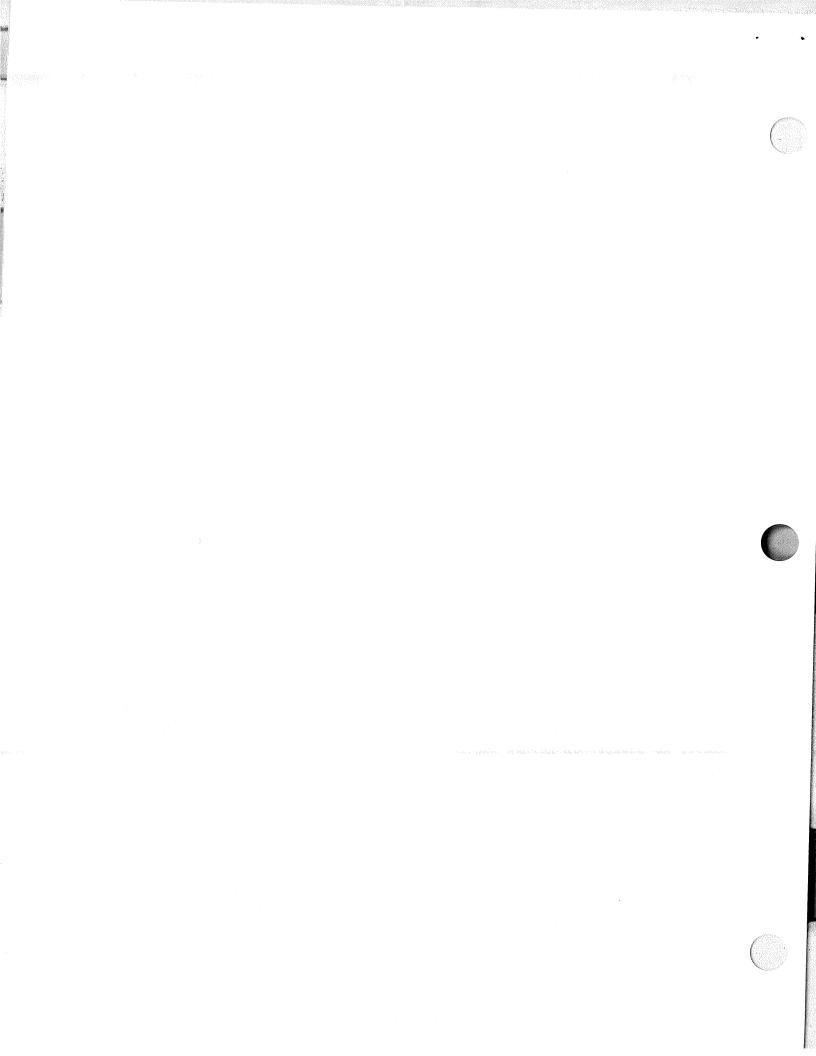
HEADQUARTERS NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD) PETERSON AFB, COLORADO 80914-5002

ORIGINAL CLASSIFICATION AUTHORITY
HO NORAD/NCO

1 FEB 1988

THIS GUIDE SUPERSEDES 968H SCG, 30 MAR 79, AND 416L SCG, 1 APR 79. COPIES OF SUPERSEDED GUIDES SHOULD BE DESTROYED. LOCAL REPRODUCTION AUTHORIZED

FOR USE BY US GOVERNMENT AND ITS CONTRACTORS, AND BY CANADIAN GOVERNMENT AGENCIES WHOSE ACTIVITIES SUPPORT NORTH AMERICAN AEROSPACE DEFENSE.



The following agencies concur in the provisions of this Joint Atmospheric Connectivity Security Classification Guide. The guide will be amended as required throughout the life of the system and signature hereon certifies acceptance of this Security Classification Guide.

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JOINT ATMOSPHERIC CONNECTIVITY SECURITY CLASSIFICATION GUIDE

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JOINT ATMOSPHERIC CONNECTIVITY SECURITY CLASSIFICATION GUIDE

SECTION 1

GENERAL INSTRUCTIONS

- 1. PURPOSE: To provide instructions and guidance on the classification of information involved in Joint Atmospheric Systems.
- a. The Joint Surveillance System (JSS) Program was established to acquire and deploy a peacetime air surveillance and control system to replace the Semi-Automatic Ground Environment (SAGE) and Back-up Interceptor Control (BUIC) systems for the CONUS and Canada, and the manual ground environment systems in Alaska and Hawaii. The mission includes varied levels of support of wartime air defense functions. The JSS will provide TAC, AAC, PACAF and CF with a ground-based command and control (C2) capability. The term JSS System used within this guide refers to the nine Region/Sector Operations Control Centers (4 CONUS, 2 Canada, 1 Alaska, 1 Iceland and I Hawaii); the Long Range Radar sites which are either military owned or USAF/FAA joint use; aerostat radars; USAF Height Finders; and the Distant Early Warning (DEW) Line radar sites. The ROCCs/SOCCs will interface with selected ARTCC facilities for maximum efficiency in the operational environment, and the ROCC/AWACS Digital Information Link (RADIL) system for the exchange of digital track data with the AWACS aircraft. Other systems will be added to this guide when applicable. The Unified Command Plan JCS Memorandum SM-729-83 describes Unified Command responsibilities and JSS mission task for peacetime and wartime. All users of the JSS radar data must abide by this guide (i.e. NAVY, CINCLANT...).
- b. This guide supersedes all previous security guidance concerning the JSS (968H), SAGE/BUIC (416L/M), SEEK SKYHOOK (TARS), Air Forces Iceland (AFI) and DEWLINE including all DD Forms 254 executed previously between the Air Force and any of its contractors. Revised DD Forms 254 will be executed with this security classification guide.
- 2. AUTHORITY: a. This guide is issued under the authority of DOD 5200.1-R/AFR 205-1, Information Security Program Regulation and, in Canada, A-SJ-100-001/AS-000, Security Orders for the Department of National Defence, Volume I-General, A-DP-300-010/AA-000, DND Policy for Security of Automated Data Processing and A-DP-300-090/AG-000, DND Security of Automated Data Processing Personnel and Facilities. Additional authorities include the Memorandum of Understanding between the USAF (SM-ALC) and the CF (NDHQ/DEEM), Section IX "Security and Intellectual Properties" and the Security Agreement between the US and Canada. The Original Classification Authority for this Security Classification Guide is NORAD/NCO. This guide and any subsequent changes will be reviewed by the Joint Radar Planning Group IAW the JRPG groundrules, and coordinated with the applicable commands.
- b. If any conflict exists between security guidance in other directives and the guidance contained in this SCG, the information in question will be protected at the highest level of classification. Conflicts will be reported to the OPRs of all conflicting directives.

- c. The designations, markings and other requirements of Executive Order 12356 are to be applied to information classified persuant to this guide in accordance with DOD 5200.1-R/AFR 205.1, Information Security Program Regulation.
- 3. OFFICE OF PRIMARY RESPONSIBILITY (OPR): This guide is issued by, and all inquiries concerning content and interpretation should be addressed to NORAD/NCOC, Peterson AFB CO 80914-5002, with information copy to NDHQ/DEEM Ottawa, Ontario, Canada KIA OK2. Office of collateral responsibility is AFSPACECOM/SPI.
- 4. CLASSIFICATION RECOMMENDATIONS: If the security classifications contained in this guide impose requirements that are impractical; or if current conditions, changes or progress attained in this effort, scientific or technological changes in the state-of-the-art, or any other contributory factors indicate a need for changes in this guide, completely documented and justified recommendations should be made through appropriate channels to the OPR. Pending final decision thereon, the items of information involved shall be handled and protected at the higher of the current classifications or the recommended changes. All users of this guide are encouraged to assist in improving and maintaining the currency and adequacy of this guide.
- 5. APPLICATION, REPRODUCTION AND DISSEMINATION: Authority is granted to make reproductions, and extracts or selections of portions of this guide for application by specified groups involved with systems identified herein including industrial activities.
- 6. PUBLIC RELEASE: The fact that this guide shows certain details of information to be unclassified does not allow automatic public release of that information. None of the restrictions or requirements stated in this paragraph apply to the FAA in the conduct of its day-to-day business as is mandated by the Federal Aviation Act of 1958, including the coordination of air traffic operations with foreign governments and the fostering and development of civil aeronautics and air commerce in the United States and abroad. However, the restrictions and requirements of this paragraph do apply to the FAA in circumstances not conforming to the policy outlined in FAA Order 1200.22A, Use of National Airspace System (NAS) Computer/Radar Data or Equipments by Outside Interests.
- a. Any proposed release to the public of official information pertaining to these systems must be forwarded to HQ NORAD/Public Affairs, Peterson AFB CO 80914-5001 for review and further processing. HQ NORAD/PA will coordinate with the appropriate US and Canadian agencies. The term "release" applies, but is not limited to, articles, speeches, photographs, brochure advertisements, displays, presentations and so on, on any phase of these systems. The term "release" does not apply to information such as personnel awards, decorations, etc., which may be disseminated without going through NORAD Public Affairs. It is incumbent upon defense contractors, or other agencies, to screen all information submitted by them for material certification to ensure that it is both unclassified and technically accurate. Letters of transmittal must contain certification to this effect. The number of copies produced and distribution of the document must be extremely limited and strictly controlled until review is completed. If suspected classified information is found during the review process, all holders

of the document will be informed of the degree of protection required. When doubt exists concerning the classified status of a proposed release pertaining to these systems, the final decision will be rendered by NORAD/NCO as OCA. Public release for contractor will process requests IAW the instructions contained in DD Form 254, Item 13. The material submitted for review must include a valid suspense date if applicable. Request for public release certification according to DOD Manual 5520.22M, Industrial Security Manual forSafeguarding Classified Information (attachment to DD Form 441, Security Agreement), must be submitted to the Directorate of Public Affairs, HQ NORAD, Peterson AFB 80914-5002, for review and further processing. Five copies of the proposed public release material must be submitted at least four weeks before approval is needed. (For further clarification and guidance on information certification procedures see AFR 190-1 in U.S. and A-SJ-100-001/AS-000 Vol I in Canada.)

- b. Only information that has been reviewed and certified for public release may be released; however, the decision or authority to release falls within the purview of those officials who have responsibility to govern the program for which the material was developed.
- c. Only information which already has been approved for public release may be released without further recourse. Information developed after initial approval for public release must be submitted for review and further processing as outlined in para 6a above.
- d. Prime or associated DOD contractors are responsible for ensuring that each of their subcontractors are aware of and comply with the above requirements. Only material proposed for release by subcontractors will be routed through their prime or associated contractor. The latter shall make appropriate comments if he concurs in the release, or he may reject the proposal without further recourse if appropriate.
- e. Approval for public release does not satisfy the export licensing requirement of the Departments of State and Commerce.
- f. PRESENTATION OF INFORMATION AT PUBLIC SYMPOSIA, SEMINARS, CONFERENCES, ETC: Request for such presentation of classified information shall be submitted to HQ NORAD/PA, Peterson AFB CO 80914-5002, for review and approval. Public Affairs will coordinate with appropriate US and Canadian agencies. Two copies of all material will be submitted a minimum of four weeks prior to proposed presentation date. Any information authorized for presentation IAW this paragraph will reflect that the work reported upon is sponsored by the applicable government agency. If foreign nationals are expected to be present at such a conference, para g, below, applies.
- g. REQUESTS FOR RELEASE OF INFORMATION TO FOREIGN GOVERNMENT OTHER THAN CANADA:
- (1) Any military activity or Defense contractor receiving a request from a foreign government or international organization, or their representatives, for information related to these programs, except information and materials cleared for public release under the auspices of DOD and DG Info Public Affairs programs, will forward all such requests to Command Foreign Disclosure Policy Office (HQ AFSPACECOM/CSF) Peterson AFB CO 80914-5002.

- (2) Foreign national or immigrant/resident alien employees of the contractor/subcontractor(s), including those possessing Canadian or UK reciprocal clearances are not authorized access to classified information resulting from or used in the performance of these programs unless authorized in writing by HQ AFSPACECOM/CSF, Peterson AFB CO 80914-5002.
- (3) US agencies will not release Canadian or jointly produced material without prior approval from Canada; Canada will not release US or jointly produced material without prior approval from the US. Requests for Canadian approval of releases should be forwarded to the ROCC Life Cycle Materiel Manager (DEEM 2). National Defence Headquarters, 101 Col By Drive, Ottawa, Ontario, Canada, KIA OK2.
- (4) Classified documents proposed for transfer to a foreign activity will be submitted to HQ AFSPACECOM/CSF, Peterson AFB CO, for release determination. If determined to be releasable to a foreign government, then all identical documents shall be labeled "Releasable to (country)". This statement should appear once on the cover of classified and unclassified documents. The first line of electrically transmitted information should state, as appropriate, "Message Releasable to (country)".

h. RELEASE OF UNCLASSIFIED TECHNICAL INFORMATION

- (1) To United States citizens, United States agencies, foreign representatives, or foreign national residing in the US: All DOD agencies or contractors shall forward requests for release of such information pertaining to systems covered by this guide to HQ AFSPACECOM/CSF for coordination and processing.
- (2) Requests for release of unclassified information originating from Canadian citizens, agencies, or contractors shall be forwarded to NDHQ/DEEM 2 for coordination and processing.

7. DEFINITIONS:

3 D	3-Dimensional
416L/M	SAGE/BUIC Program
968H	Joint Surveillance System Program
AAC	Alaskan Air Command
AADS	Automated Atmospheric Defense Systems
AD	Air Defense
AF	Air Force
AFB	Air Force Base
AF Form	Air Force Form
AFI	Air Forces Iceland

Air Force Logistics Command AFLC Air Force Regulation AFR Air Force Systems Command AFSC Air Force Space Command AFSPACECOM Applications Set-Operations Software APS Air Route Traffic Control Center ARTCC Airborne Warning and Control System **AWACS** Beneficial Occupancy Date BOD Back-up Interceptor Control BUIC Confidential Classification C Command and Control C2 Communications-Electronics Authorization Program CAP Control Center CC Communications-Electronics C-E Canadian Forces CF Commander in Chief, Atlantic CINCLANT Classification Is **CLASS** Software Common Data Base COMPOOL Continental United States CONUS Complete Operational Recording List CORL Computer Program Component CPC Computer Program Configuration Item CPCI Display Controller DC Deputy Chief of Staff DCS Department of Defense Form DD Form Declassify On DECLAS(D) Director Electronics Engineering and Maintenance DEEM Director General, Information DG INFO Distant Early Warning Line DEW LINE Diagnostics Set DIS Delayed Line Output DLO Department of National Defence DND Department of Defense DOD Data Reduction Set DRS Development, Test and Evaluation DT&E AWACS Aircraft E3 Electromagnetic Compatibility Analysis Center ECAC Electronic Counter-Countermeasures ECCM Electronic Countermeasures ECM Executive Order EO Electronic Systems Division ESD Equipment Status Report ESR Estimated Time to Return Operational ETRO Federal Aviation Administration FAA Fully Mission Capable FMC Full Operation Capability FOC For Official Use Only FOUO Geography Data Generator GDG Ground Support Equipment GSE Headquarters HQ

HF Height Finder Radar IAW In Accordance With ICCE Iceland Command and Control Enhancement IFF Identification Friend or Foe IN Directorate of Intelligence IOC Initial Operational Capability ITAR Department of State International Traffic in Arms Regulation JCS Joint Chiefs of Staff JRPG Joint Radar Planning Group JRT JSS Recording Tape JSS Joint Surveillance System JSS PO JSS Program Office **JTAO** Joint Tactical Air Operations LRR Long Range Radar MI Manual Inputs NDHO National Defence Headquarters NMC Not Mission Capable NORAD North American Aerospace Defense Command OADR Originating Agency's Determination Required OCA Original Classification Authority ODC Operational Display Console OPLAN Operational Plan OPR Office of Primary Responsibility ORSL Operational Recording Specification List OSS Operating System Set OTH-B Over the Horizon Backscatter Radar PA Office of Public Affairs **PACAF** Pacific Air Forces PACE Performance Analysis by Continuous Evaluation PMC Partially Mission Capable PMD Program Management Directive **PPCA** Programmable Peripheral Controller - A **PPCB** Programmable Peripheral Controller - B PRF Pulse Repetition Frequency QOT&E Qualification. Operations Test and Evaluation RADES Radar Evaluation Squadron RADIL ROCC/AWACS Digital Information Link RAM Random Access Memory RDU Radar Display Unit ROCC Region Operations Control Center ROM Read Only Memory RSSF ROCC System Support Facility S Secret Classification SAGE Semi-Automatic Ground Environment SCC System Control Console SCG Security Classification Guide SEEK SKYHOOK (See TARS) SES System Exercise Set SETE System Evaluation and Training Exercise SIF Selective Identification Feature

SM-ALC	Sacramento-Air Logistics Center
SOCC	Sector Operations Control Center
SRL	Standard Recording List
STOPR	Strategic Orbit/Recovery Point
SUS	Support Set
TAC	Tactical Air Command
TADIL	Tactical Digital Information Link
TARS	Tethered Aerostat Radar System
TBD	To Be Determined
TM	Technical Memorandum
Ū	Unclassified
υĸ	United Kingdom
us	United States
USAF	United States Air Force
· · · · ·	

OVERALL EFFORT

		DO	WNGRADE/		
	TOPIC	CLASS	DECLAS	REMARKS	
1.	Existence of JSS and Joint Use Radars	U	-		
2.	Project name (JSS) Program Numerics (968H)	ט	-		
3.	Purpose of the system	U	-		
4.	Manning per site	U	-		
5.	System manning	U	-		
6.	FOC data of ROCC systems and facilities	U	-		
7.	The compilation of security vulnerabilities of military restricted areas and designated essential facilities in support of joint atmospheric connectivity.	С	OADR	Individual physical security vulnerabilities are "FOR OFFICIAL USE ONLY" For Canada-survey of an individual military restricted area must be classified according to content.	

circuit requirements

SECTION III

PERFORMANCE AND CAPABILITIES

A. COMMUNICATIONS

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Theoretical range and altitude limits of radio coverage	U	-	
2.	Radio coverage of individual sites as derived from actual measurement of radio performance in a controlled environment	i		This does not include PACE flights
	a. Alaska and Canada	С	OADR	
	b. CONUS and AFI	U	-	
	c. Hawaii	С	OADR	
3.	Data revealing the overall communications capabilities and limitation of a CF region	С	OADR	
4.	Overall performance and accuracy of the tactical communications of either CF ROCC.	С	OADR	
5.	Details of CF Air Defense communications systems, including ground-to-ground and air-to-air communication which reveal operational capabilities.	C Lons,	OADR	
6.	Charts, maps and diagrams that show complete "off-base" tactical communications circuit routes that have a major effect on the efficiency of the ground environment systems in CF regions	C e	OADR	
7.	Overall ROCC communication	ns Ü	-	

13. Frequency usage data

will be UNCLASSIFIED after activation date or when radiated

Classify IAW AFR 700-4

each usage entry will be classified on the basis of the data in the entry.

8.	Geographic coordinates of operational C-E ground environmental sites or facilities unless special considerations apply, such as the sensitivity of the mission or location, hardening, etc.	U	-	Separate security guidelines may apply for special situations or projects (sensitivity of the mission or location, hardening, etc.)
9.	Type, quantity and operational data of a C-E facility or equipment which is proposed for use or installed at one or more locations without explanation of its detailed use, absolute capability or specific limitations	U	-	Separate Security guide- lines may apply for special situations or projects
10.	Technical discussions and procedures related strictly to C-E efforts, i.e., communications circuitry restoral, parts procurement, troubleshooting, etc.	υ		
11.	USAF CAP listings	U	-	
12.	CF ground-to-air frequencies assigned for future use	С	OADR	Specific frequency will be UNCLASSIFIED

See

Remarks

OADR

PERFORMANCE AND CAPABILITIES

B. ROCC/SOCC OPERATIONS

	TOPIC	CLASS	DOWNGRADE/ DECLAS	REMARKS
1.	Weapons tactics	S	OADR	Downgrade/Declassify IAW instruction assigned to specific tactics.
2.	Summaries, analyses, test results or other information which reveal a serious degradation of system operation			
	a. CONUS, Canada, AFI and Alaska	С	OADR	
	b. Hawaii	S	OADR	
3.	Mode II SIF codes			The list of SIF codes used in APS
	a. when associated with call signs and/or tail numbers	S	OADR	software is CONFIDENTIAL
	b. when not associated with call signs and/or tail numbers, i.e., PACE and radar evaluation flights	U	-	
4.	Operational recording tapes			
	a. JRT	S	OADR	SRL tapes are always classified. ORSL and CORL tapes may contain classified information and should be identified by the user.
	b. RADIL	See Remar	OADR rks	a. If RADIL is linked with ROCC only, (recording lateral tell messages only), then recording tape is UNCLASSIFIED.

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b. If RADIL is linked with a TADIL A unit (E-3, Navy, etc) and TADIL A messages are on recording tape, then tape is CONFIDENTIAL or SECRET depending on specific users on the net. Refer on JTAO SCG.

- Manual Input Cards: Squadron S
 Status and Interceptor
 Status
 Number of Radar Messages
 a. Being received from U
 a site
 Unless site system limit
 has been reached, then
 - b. Total messages being C OADR processed at the ROCC/
- 7. Geography Tapes and Listings See OADR Classified according to containing STOPR Points with Remarks Positions Region and NORAD OPLAN 3000.

PERFORMANCE AND CAPABILITIES

C. MAINTENANCE INFORMATION

		67.466	DOWNGRADE/ DECLASS	REMARKS
	TOPIC	CLASS	DECLASS	***************************************
1.	Equipment Status Reports (ESR)			
	a. CONUS, Canada, Hawaii and AFI	U	-	
	b. Alaska	U	-	
2.	Equipment Status Summaries-A report of equipment outages that contains an open ETRO in excess of time indicated below.			
	a. Alaska, CONUS, Hawaii and AFI	U	-	
	b. Canada 24-hours	С	Declass at term tion of outage	ina-
3.	Projected Outages of ROCCs SOCCs, and its associated Communications.	./ C	Declass actual	sify 30 minutes prior to outage
4.	Status Reports processed through FAA channels that do not reflect an evaluation of mission capability.	U ····	-	
5.	Monthly Maintenance Schedules not creating Red time/non-mission capa at the ROCC/SOCC.	U ble	-	
6.	Reports on equipment detailing extent or results of enemy/ terrorist activity	С	OADR	

7.	Complete loss of search data from any one radar site	U	
8.	Complete loss of search data from two or more adjacent radar sites	U	-
9.	Complete loss of height data from any one sensor	ט	-
10.	Technical discussions and procedures related strictly to C-E effort, i.e. communications circuitry restoral, parts procurement, troubleshooting, etc.	υ	-

PERFORMANCE AND CAPABILITIES

D. SENSORS

			DOWNGRADE/	
	TOPIC	CLASS	DECLASS	REMARKS
1.	Geographic locations of sensor sites.	ט	-	Separate security guidelines may apply for special situations or projects (sensitivity of the mission or location, hardening, etc)
2.	Location of planned radar sites:			
	a. US sites	U	~	
	b. CF sites	C	OADR or Upon Public announce- ment (See remarks)	Location is UNCLASSIFIED after announcement that a facility is to be constructed at the location. The function of the facility remains CONFIDENTIAL until construction advances to the stage at which the facility function is visible, i.e., antenna mounted or radome constructed or DND releases information on the facility's function

- Theoretical range and altitude limits
- 4. Radar Coverage and tracking percentages of individual sites derived from
 actual measurements of
 radar performance in a controlled environment such as
 evaluations conducted by
 84 RADES.

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	The second se			12/22/00
	a. Alaska, Canada and TARS	С	OADR	
	b. Hawaii	S	OADR	
	c. CONUS and AFI	ប	-	
5.	PACE scores and standards including Mark XII scores	U	-	This includes FAA analysis of radar sites.
6.	Height finder blanking and shadow angles/areas			
	a. Hawaii	S	OADR	
	b. All others	U	-	
7.	Data displayed on indica- tors at radar sites	υ	-	
8.	Specific radar electro- magnetic frequencies of the system to include letters or figures indicating actual frequency	ט	-	
9.	Frequency bandwidth and band of the radar, including letters or figures indicating high and low frequency limits	ט א	-	
10.	Radar peak power or average peak power and antenna gain	U	-	
11.	CF radar frequencies assigned for future use	S	OADR	Radar frequencies are UNCLASSIFIED when radiated.
12.	PRF, frequency band or operating frequency of IFF/SIF interrogators	U	at a saya saya sak	
13.	IFF Mark X (SIF) and Mark XII systems	See Rewark	- ss	For specific data classification see: DOD International AIMS Program Security Classification Guide (OPR:WR-ALC/MMAM-AIMS Robins AFB GA) and AFR 205-36.

PERFORMANCE AND CAPABILITIES

E. REGION/SECTOR OPERATIONS CONTROL CENTER (ROCC/SOCC) AND ROCC/SOCC SUPPORT HARDWARE

	TOPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1.	Number of ROCCs/SOCCs	U	-	
2.	Geographical location of ROCCs/SOCCs	U	-	
3.`	Nomenclature of ROCC/SOCC hardware	U	. —	
4.	Computer storage capacity	U	-	RAM, ROM, Disks
5.	Number of display consoles per ROCC/SOCC site	s U	-	
6.	Electronic displays visual observed, photographed or video taped, provided equipment settings/target data cannot be correlated with the displayed information reveal detection, control or other classified capabilities	ip-	-	If Mode II codes or STOPRS are displayed, then display is SECRET. Mode II codes for PACE or radar evaluation flights are unclassified if not associated with call signs and/or tail numbers.

PERFORMANCE AND CAPABILITIES

F. ROCC/SOCC SOFTWARE AND FIRMWARE

<u> T</u>	OPIC	CLASS	DOWNGRADE/ DECLASS	REMARKS
1. A	pplications Set (APS)			
а	. Listings/Tapes	See Remari	OADR ks	See Table III. F-1
b	APS system presets	See Remari	OADR ks	For classification of specific items see Tm 637/030 and 820/000.
C.	Mode 4 Processing (APS CPC G)	С	OADR	
d•	Strobe/ Passive Tracking Processing (APS CPC P and Module TYZ)	С	OADR	
е.	Interceptor Control/ Guidance Processing (APS CPCs U and W)	С	OADR	
f.	Computer capabilities in accuracy or resolution of target position and error analysis	С	OADR	
g•	Detailed mathematical analyses or CPCs re-vealing significant information in areas such as error analysis and accuracy or resolution of target locations, and guidance calculations.	C	OADR	
h.	Other mathematical analyses which reveal methods of tracking, methods of tracking, identification, weapons assignment or closure on target.	c	OADR	
í.	Maximum duration of loss of target before the target status is changed to LOST	C	OADR	

	j.		track handling	С	OADR	
	k.		um number ceptor guidance nels	С	OADR	
	1.	Displ later	lay capacity of ral told-in tracks	С	OADR	Does not apply to OTH-B tracks.
2.	Dat	a Red	action Set (DRS)			
	a.	List	ings/Tapes	See Remark	OADR s	See Table III. F-1
	b .	DRS (Output Reports Interceptor History (S(A))	C C	OADR OADR	
		(2)	MODE IV History (J(E))	С	OADR	
		(3)	Correlated Sensor Data History(J(J))	See	OADR	Default is CONFIDENTIAL, report may be "unclassi-fied only if Mode II code is unclassified.
		(4)	IFF Accuracy and Error Counts J(D)	See Remarl	OADR ks	This report contains Mode II codes and should be aclassified if those Mode II codes are classified
		(5)	All other fixed formats reports	U	-	
		(6)	Dump/Snap, COMPOOL Special and Link/ Index reductions	See Remar	OADR ks	The Report will be Classi- fied according to the highest level of infor- mation being processed.
		(7)	When reports are sent to Delayed Output (DLO) tapes instead of the line printer	See Remar	OADR ·ks	Tapes should be classified IAW reports contained.
3.		her C pes	PCIs - Listings/	See Reman	OADR rks	See Table III. F-1 for specific classification by CPCI Sys/Subsys
4.			r Hexadecimal dumps	See Rema	OADR arks	Classify at highest classification of the system at the time of the dump until the user determines a lower classification is warranted upon review of dump.
						•

5.	Aircraft Performance Data	S	OADR	
6.	Weapons Kill Probability (PK)	S	OADR	
7.	Geography Tapes and Listing containing STOPR Points with their positions	See Remar	OADR ks	Classified according to Region and NORAD OPLAN 3000.

			CPCI CLAS	SIFICAT	ON TABLE			
Tape ID	Symbolic	Binary	DLO	Info	Library	Master	Load	
APS					S	S .		U
COMPOOL	S	S	S	S				
SOURCE	С	С	С					
ADAPTATION	S	S	S					
GEOGRAPHY	U	U	U		·			
OSS			<u> </u>			С		U
DC	С	С	С	С				
PPCA	U	U	U	U				
PPCB	υ	U	U	U				
SCC	U	U	U	U				
coc/cos	U	U	υ	U				
LOADERS	U	U	U		1			
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Exceptions: Character-istics and diagrams of the

and OA-3751 are unclassified

AN/FPS-93A, AN/FPS-6

REMARKS

SECTION III

PERFORMANCE AND CAPABILITIES

G. ELECTRONIC COUNTER COUNTER MEASURES

	TOPIC	CLASS	DOWNGRADE/ DECLASS
1.	Technical characteristics or schematic diagrams of ECCM equipment	S	OADR
2.	Information on ECCM develoments or modifications add sing specific limitations or developments to counter known or perceived threats	res-	
	a. General Information	С	OADR
	b. Specific/Detailed Information	S	OADR
3.	Plans for improvements of a particular type of ECCM equipment or installation	С	OADR
4.	The ECCM antenna configuration as may be viewed or photographed externally, provided no indication of frequency limits or other classified details of the equipment or components to which they are connected are revealed.	ט	-
5.	Vulnerability of communi- cations subsystems to ECM	C	OADR
6.	Radar characteristics which reveal system capabilities when used in an ECCM environment, such as		

Hawaiian air defense system ECCM characteristics are Classified IAW HQ PACAF/IN Threat Assessment current

version.

7.

8.

	a•	Frequency agility characteristics	U	-
	b.	Staggered PRF character-istics	υ	_
	c.	Maximum operational power limits	U	-
	d.	Pulse compression techniques and characteristics	U	-
	e.	Operational frequency spectrum	υ	-
7.	an al ag	erational capabilities d limitations of an over- l active ECCM subsystem ainst various types of ectronic equipment	S	OADR
8.	ap en	e specific tactics and plications which may be uployed in conjunction with CM equipment	C	OADR
9.	EC th m:	ne fact that there is an CCM program and that nese ECCM tests and training issions are coordinated and conducted regularly.	U ng	-
10.	pi te hi	ne fact the ECCM rocurement delays, main- enance or supply difficult ave limited or reduced the apability of a sensor to o te in an ECM environment.		OADR
11.	w	est plans and/or results hich address specific know r perceived threats.	S n	OADR

SECTION IV

REGION/SECTOR OPERATIONS CONTROL CENTER

SPECIFICATIONS

TOPIC		DOWNGRADE/ CLASS DECLAS		REMARKS
1.	System specifications and descriptions		<u> </u>	REMARKS
	a. TM(NORAD) 637/029 and 637/030 Vol II	С	OADR	
	<pre>b. All other TM(NORAD) 637-XX</pre>	U	-	
	C. TM(NORAD) 820/0XX	S	OADR	
2.	Plans and specifications for facilities (including buildings, electrical power and switchgear)	U	-	
3.	Design specification of computer hardware peripheral equipment	U	-	
4.	Design information, technical specifications and performance characteristics of data display console hardware	ט	-	
5.	Design of communications automatic switching unit	U	-	

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